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USE OF ACID STABLE SUBTILISIN PROTEASES IN ANIMAL FEED

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL
FORM

(to be used for all correspondence after initial filing)

Application Number	09/779,334
Filing Date	February 8, 2001
First Named Inventor	Carsten Sjoeholm
Group Art Unit	1651
Examiner Name	J. P. Weber
Attorney Docket Number	NOVT 100

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

☒ Fee Transmittal Form☐ Fee Attached☒ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/Incomplete Application☐ Response to Missing Parts under 37 CFR 1.62 or 1.53☐ Assignment Papers (for an Application)☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a Provisional Application☐ Power of Attorney, Revocation Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ After Allowance Communication to Group☐ Appeal Communication to Board of Appeals and Interferences☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☐ Other Enclosure(s) (please identify below):

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm
or
Individual name

Patarea L. Pabst, Reg. No. 31,284

Holland & Knight LLP

Suite 2000, One Atlantic Center, 1201 West Peachtree Street, N.E., Atlanta, GA 30309-3400

Signature

Date

May 23, 2002

CERTIFICATE OF MAILING

Typed or printed name

SEE CERTIFICATE OF FACSIMILE TRANSMISSION

Signature

Date

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known

Application Number 09/779,334
 Filing Date February 8, 2001
 First Named Inventor Carsten Sjoeholm
 Examiner Name J. P. Weber
 Group Art Unit 1651
 Attorney Docket No. NOVT 100

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account
 Deposit Account Number
 Deposit Account Name

50-1868

Holland & Knight LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments
☐ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the aboveidentified deposit account

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Extra Claims		Fee from below		Fee Paid
Total Claims	Independent Claims			
11	5	20 = 0	6 = 0	0

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependant claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) -0-

*For number previously paid, if smaller. For Reissues, see above.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity/Small Entity				Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	60	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,040*	113	1,040*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,880	228	940	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or release)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(c)	
126	180	126	180	Submission of Information Disclosure Sheet	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Prior Filing Fee Paid

SUBTOTAL (3) (\$)

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FOR FILING ONLY: COMPLETE FORMS TO BE SENT TO: U.S. PATENT AND TRADEMARK OFFICE, P.O. BOX 1418, WASHINGTON, DC 20590

Date: May 23, 2002

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Carsten Sjoeholm, Peter Rahbek Oestergaard, and Anna-Marie Kluenter

Serial No.: 09/779,334 Art Unit: 1651

Filed: February 8, 2001 Examiner: Jon P. Weber

For: USE OF ACID-STABLE SUBTILISIN PROTEASES IN ANIMAL FEED

Assistant Commissioner for Patents
Washington, D.C. 20231

RESPONSE TO RESTRICTION REQUIREMENT

Sir:

Responsive to the Office Action mailed April 25, 2002, please amend the application as follows:

In the Claims

1. (amended) [Use of at least one acid-stable protease in] An animal feed[, wherein the] comprising at least one protease selected from the group consisting of

(i) [is] proteases of the subtilisin family; and[/or]

(ii) [has] proteases having less than 10% residual activity when inhibited with SSI.

2. (amended) [Use of at least one acid-stable protease in the preparation of] A method of preparing a composition for use in animal feed, [wherein the] comprising adding to the feed at least one protease selected from the group consisting of

(i) [has] proteases having less than 10% residual activity when inhibited with SSI